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On

2 May 2006

TOWNSEND and TOWNSEND and CREW LLP

Malinda Adams



PATENT
Attorney Docket No.: 020130-001510US
Client Reference No.: MJP0017

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

VANDER HORN and WANG

Application No.: 10/627,582

Filed: July 25, 2003

For: NOVEL COMPOSITIONS WITH
POLYMERASE ACTIVITY

Examiner: Richard G. Hutson

Art Unit: 1652

INFORMATION DISCLOSURE
STATEMENT UNDER 37 CFR §1.97 and
§1.98

Commissioner for Patents
P.O. Box 1450
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Sir:

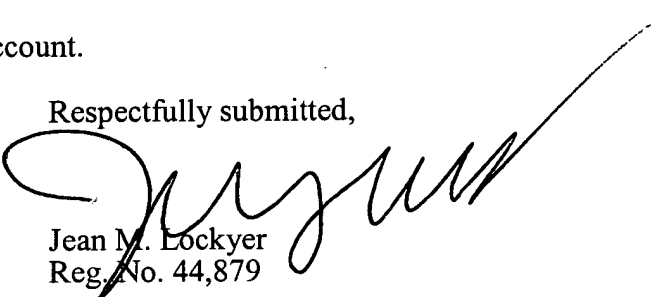
The references cited on attached form PTO/SB/08A are being called to the attention of the Examiner. Copies of the references [in compliance with the requirements of 37 CFR §1.98(a)(2)] are enclosed. It is respectfully requested that the cited references be expressly considered during the prosecution of this application, and the references be made of record therein and appear among the "references cited" on any patent to issue therefrom.

Also enclosed is a copy of the Search/Examination report issued in a corresponding PCT application.

As provided for by 37 CFR §1.97(g) and (h), no inference should be made that the information and references cited are prior art merely because they are in this statement and no representation is being made that a search has been conducted or that this statement encompasses all the possible relevant information.

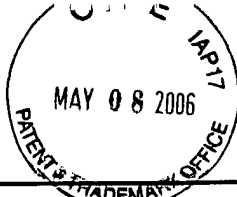
Applicant believes that no fee is required for submission of this statement. However, if a fee is required, the Commissioner is authorized to deduct such fee from the undersigned's Deposit Account No. 20-1430. Please deduct any additional fees from, or credit any overpayment to, the above-noted Deposit Account.

Respectfully submitted,



Jean M. Lockyer
Reg. No. 44,879

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60741049 v1



Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>		Complete if Known			
		Application Number	10/627,582		
		Filing Date	July 25, 2003		
		First Named Inventor	Vander Horn, Peter B.		
		Art Unit	1652		
		Examiner Name	Richard G. Hutson		
Sheet	1	of	2	Attorney Docket Number	020130-001510US

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number Kind Code ² (if known)			
	A1	US-6,132,970	10-17-2000	Stemmer	
	A2	US-5,948,663	09-07-1999	Mathur	
	A3	US-5,834,285	11-10-1998	Comb <i>et al.</i>	
	A4	US-5,093,257	03-03-1992	Gray	
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			

FOREIGN PATENT DOCUMENTS								
Examiner Initials*	Cite No. ¹	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³	Number ⁴	Kind Code ⁵ (if known)				
	A5	WO	01/92501	A1	12-06-2001	MJ Bioworks, Inc.		<input type="checkbox"/>
	A6	WO	01/27632	A2	04-19-2001	Cambridge Drug Discovery		<input type="checkbox"/>
	A7	WO	97/07205	A1	02-27-1997	Novo Nordisk A/S		<input type="checkbox"/>
	A8	WO	97/07202	A1	02-27-1997	Novo Nordisk A/S		<input type="checkbox"/>
								<input type="checkbox"/>

Examiner Signature		Date Considered	
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² Kind Codes of U.S. Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.



Substitute for form 1449B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)				Complete if Known	
				Application Number	10/627,582
				Filing Date	July 25, 2003
				First Named Inventor	Vander Horn, Peter B.
				Art Unit	1652
				Examiner Name	Richard G. Hutson
Sheet	2	of	2	Attorney Docket Number	020130-001510US

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	A9	Altamirano, M., <i>et al.</i> , "Directed evolution of new catalytic activity using the α/β -barrel scaffold," <u>Nature</u> , (February 10,2000) 403: 617-622	<input type="checkbox"/>
	A10	Farinas, E., <i>et al.</i> , "Directed enzyme evolution," <u>Curr. Opin. Biotechnol.</u> , (2001) 12(6): 545-551	<input type="checkbox"/>
	A11	Van Kampen, M., <i>et al.</i> , "Substrate Specificity of <i>Staphylococcus hyicus</i> Lipase and <i>Staphylococcus aureus</i> Lipase as studied by <i>in vivo</i> chimeragenesis," <u>Biochemistry</u> , (1998) 37: 3459-3466	<input type="checkbox"/>
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Examiner Signature		Date Considered	
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¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.